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 Petersen, E.L.; Pickel, J.C.; Adams, J.H., Jr.; Smith, E.C.;
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 Keehoon Kim; Bartlett, E.B.;
[Nuclear Science, IEEE Transactions on](#)
 Volume 43, Issue 4, Part 2, Aug. 1996 Page(s):2373 - 2388
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Magnetics, IEEE Transactions on
 Volume 37, Issue 6, Part 2, Nov 2001 Page(s):467 - 1288
 Digital Object Identifier 10.1109/TMAG.2001.966142
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- ☐ 2. Control of nuclear power plants
 Frogner, B.; Rao, H.;
Automatic Control, IEEE Transactions on
 Volume 23, Issue 3, Jun 1978 Page(s):405 - 417
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- ☐ 3. Subject Index
Nuclear Science, IEEE Transactions on
 Volume 49, Issue 6, Part 2, Dec 2002 Page(s):3356 - 3404
 Digital Object Identifier 10.1109/TNS.2002.1134325
[AbstractPlus](#) | Full Text: [PDF\(532 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 4. Considerations in the control of PWR-type multimodular reactor plants
 Keung Koo Kim; Bernard, J.A.;
Nuclear Science, IEEE Transactions on
 Volume 41, Issue 6, Part 1, Dec 1994 Page(s):2686 - 2697
 Digital Object Identifier 10.1109/23.340635
[AbstractPlus](#) | Full Text: [PDF\(952 KB\)](#) IEEE JNL
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- ☐ 5. Prospects of generating power with laser-driven fusion
 Booth, L.A.; Freiwald, D.A.; Frank, T.G.; Finch, F.T.;
Proceedings of the IEEE
 Volume 64, Issue 10, Oct. 1976 Page(s):1460 - 1482
[AbstractPlus](#) | Full Text: [PDF\(2713 KB\)](#) IEEE JNL
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- 6. Gaining insight from supercomputing

- ☐ Buzbee, B.L.;
[Proceedings of the IEEE](#)
Volume 72, Issue 1, Jan. 1984 Page(s):19 - 21
[AbstractPlus](#) | Full Text: [PDF](#)(304 KB) IEEE JNL
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- ☐ 7. The technological requirements for power by fusion
Steiner, D.;
[Proceedings of the IEEE](#)
Volume 63, Issue 11, Nov. 1975 Page(s):1568 - 1608
[AbstractPlus](#) | Full Text: [PDF](#)(4455 KB) IEEE JNL
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- ☐ 8. Ultrasonics in nondestructive evaluation
Thompson, R.B.; Thompson, D.O.;
[Proceedings of the IEEE](#)
Volume 73, Issue 12, Dec. 1985 Page(s):1716 - 1755
[AbstractPlus](#) | Full Text: [PDF](#)(5792 KB) IEEE JNL
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- ☐ 9. Status of severe accident research
Poteralski, D.C.; Vogel, R.C.;
[Nuclear Science, IEEE Transactions on](#)
Volume 35, Issue 1, Part 1-2, Feb 1988 Page(s):914 - 918
Digital Object Identifier 10.1109/23.12860
[AbstractPlus](#) | Full Text: [PDF](#)(488 KB) IEEE JNL
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- ☐ 10. Rate prediction for single event effects-a critique
Petersen, E.L.; Pickel, J.C.; Adams, J.H., Jr.; Smith, E.C.;
[Nuclear Science, IEEE Transactions on](#)
Volume 39, Issue 6, Part 1-2, Dec. 1992 Page(s):1577 - 1599
Digital Object Identifier 10.1109/23.211340
[AbstractPlus](#) | Full Text: [PDF](#)(2052 KB) IEEE JNL
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- ☐ 11. A novel technique for optical fiber pH sensing based on methylene blue adsorption
Deboux, B.J.-C.; Lewis, E.; Scully, P.J.; Edwards, R.;
[Lightwave Technology, Journal of](#)
Volume 13, Issue 7, July 1995 Page(s):1407 - 1414
Digital Object Identifier 10.1109/50.400705
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- ☐ 12. 1995 Index IEEE Transactions on Applied Superconductivity Vol. 5
[Applied Superconductivity, IEEE Transactions on](#)
Volume 5, Issue 4, Dec. 1995 Page(s):3537
Digital Object Identifier 10.1109/TASC.1995.482148
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Keehoon Kim; Bartlett, E.B.;
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Volume 43, Issue 4, Part 2, Aug. 1996 Page(s):2373 - 2388
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- ☐ 14. **Advanced reactor development rebounding**
Sweet, W.;
[Spectrum, IEEE](#)
Volume 34, Issue 11, Nov. 1997 Page(s):41 - 48
Digital Object Identifier 10.1109/6.632488
[AbstractPlus](#) | Full Text: [PDF](#)(3956 KB) IEEE JNL
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- ☐ 15. **Applications of advanced materials technologies to vacuum electronic devices**
Calame, J.P.; Abe, D.K.;
[Proceedings of the IEEE](#)
Volume 87, Issue 5, May 1999 Page(s):840 - 864
Digital Object Identifier 10.1109/5.757257
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[Magnetics, IEEE Transactions on](#)
Volume 37, Issue 6, Part 2, Nov 2001 Page(s):1 - 466
Digital Object Identifier 10.1109/TMAG.2001.966141
[AbstractPlus](#) | Full Text: [PDF](#)(4148 KB) IEEE JNL
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- ☐ 17. **Critical heat flux function approximation using genetic algorithms**
Yung-Keun Kwon; Byung-Ro Moon; Sung-Deok Hong;
[Nuclear Science, IEEE Transactions on](#)
Volume 52, Issue 2, April 2005 Page(s):535 - 545
Digital Object Identifier 10.1109/TNS.2005.846834
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(792 KB) IEEE JNL
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- ☐ 18. **Concurrent simulation of reactor core dynamics**
Burton, A.W.; Malinowski, K.;
[Control Theory and Applications, IEE Proceedings D \[see also IEE Proceedings-Control Theory an](#)
Volume 140, Issue 3, May 1993 Page(s):205 - 215
[AbstractPlus](#) | Full Text: [PDF](#)(796 KB) IEE JNL
- ☐ 19. **The role of the operator in the safety of the nuclear industry**
Bindon, F.J.L.;
[Power Engineering Journal \[see also Power Engineer\]](#)
Volume 9, Issue 6, Dec. 1995 Page(s):267 - 271
[AbstractPlus](#) | Full Text: [PDF](#)(1192 KB) IEE JNL
- ☐ 20. **Effect of marine environment on nuclear power plant design**
Connell, C., Jr.;
[OCEANS](#)
Volume 7, Sep 1975 Page(s):625 - 628
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1 [Abstracts—nuclear reactor codes](#)



Virginia Nather, Ward Sangren

January 1959 **Communications of the ACM**, Volume 2 Issue 1

Publisher: ACM Press

Full text available: pdf(3.51 MB)

Additional Information: [full citation](#)

2 [Nuclear power plant diagnostics in APL](#)



Alexander O. Skomorokhov

July 1991 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL '91 APL '91**, Volume 21 Issue 4

Publisher: ACM Press

Full text available: pdf(903.20 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We are interested in the development of Nuclear Power Plant (NPP) diagnostic systems and other complex systems of data processing. There are some questions on the subject: How to build these systems easily? How to build them fast? How to build them at a low price? And how to build them to be user friendly? Today, from our point of view, in the area of Nuclear Power Plant diagnostics, there is only one answer to these questions: We must use APL.

3 [GASP IV simulation of nuclear waste](#)

Jeffery Lee Turek, Elden L. Deporter, Harold A. Kurstedt, Charles E. Rasbach, Steven K. Funk

January 1981 **Proceedings of the 13th conference on Winter simulation - Volume 1**

Publisher: IEEE Press

Full text available: pdf(521.33 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

The current governmental research and development program for the disposition of high-level nuclear wastes from both defense and commercial sources is modelled using a discrete GASP IV based simulation. The simulation utilizes, as input, actual and current data from various DOE management information systems. A sampling of disposition data contained within these systems are milestones, storage facility capacities, and predecessor and successor relations. Decision variables include facility ...

4 [Abstracts— additional nuclear reactor codes](#)



Virgina Nather, Ward Sangren

January 1960 **Communications of the ACM**, Volume 3 Issue 1

Publisher: ACM Press

Full text available: pdf(940.91 KB) Additional Information: [full citation](#)

5 The role of computer systems in the nuclear power debate



Kevin W. Bowyer

April 1980 **ACM SIGCAS Computers and Society**, Volume 10 Issue 3-4

Publisher: ACM Press

Full text available: pdf(489.92 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

One of the primary reasons for the current "decline" of nuclear power is that reactors have not operated reliably. This unreliability has raised questions of both safety and economics. Computer systems have been a part of this failure of technology. If nuclear power is to be revived as an energy option for our country, both the quantity and quality of computer applications must increase.

6 Computer based systems in boiling water reactors



J. N. Shukla, J. A. Iubelt

April 1980 **ACM SIGCAS Computers and Society**, Volume 10 Issue 3-4

Publisher: ACM Press

Full text available: pdf(474.71 KB) Additional Information: [full citation](#), [abstract](#)

This paper describes the application of computers to the General Electric Company's Boiling Water Reactor (BWR) type nuclear power plants. In the GE BWR plants, computers are used for Real Time Process Monitoring, Nuclear Steam Supply System Performance and Core Limit Evaluation, Balance of Plant Performance Evaluation, Historical Recording, and Control Rod Pattern Enforcement. These functions are performed by different systems and subsystems each consisting of one or more computers. This paper ...

7 Highly vectorized algorithm for transient simulation of space reactor systems



B. Nassersharif, J. S. Peery, M. D. DeHart

November 1988 **Proceedings of the 1988 ACM/IEEE conference on Supercomputing**

Publisher: IEEE Computer Society Press

Full text available: pdf(765.38 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Current interest in the application of nuclear reactor driven power systems to space missions has generated a need for an accurate systems model which is capable of handling the nonlinear transient simulation of such systems [1],[2]. A project to develop a code specifically designed to model and analyze space reactor systems is currently ongoing at Texas A&M. This code, named CENTAR (Code for Extended Nonlinear Transient Analysis of Extraterrestrial Reactors [3],[4]), is written especia ...

8 DPRL: a language for representation of operation and safety maintenance



procedures of nuclear power plants

Rajiv Bhatnagar, D. W. Miller, B. K. Hajek, B. Chandrasekaran

June 1990 **Proceedings of the 3rd international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2 IEA/AIE '90**

Publisher: ACM Press

Full text available: pdf(870.34 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

9 PACS: a parallel microprocessor array for scientific calculations



 Tsutomu Hoshino, Toshio Kawai, Tomonori Shirakawa, Junchi Higashino, Akira Yamaoka, Hachidai Ito, Takashi Sato, Kazuo Sawada
August 1983 **ACM Transactions on Computer Systems (TOCS)**, Volume 1 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(1.95 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: MIMD, array processors, distributed systems, highly parallel processors, multimicroprocessors, multiprocessing, multiprocessors, nearest neighbor communication, parallel algorithms, parallel language, parallel processors, performance measurement, processor architecture, scientific calculation, supercomputer, synchronization

10 The applied mathematics laboratory of the David W. Taylor Model Basin



 Morris Richstone
September 1961 **Communications of the ACM**, Volume 4 Issue 9

Publisher: ACM Press

Full text available:  [pdf\(1.47 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

11 A combined simulation model of the nuclear fuel cycle



E. L. DePorter, Harold A. Kurstedt, Joel A. Nachlas
December 1977 **Proceedings of the 9th conference on Winter simulation - Volume 1**

Publisher: Winter Simulation Conference

Full text available:  [pdf\(327.18 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Strategies for dealing effectively with the complex nuclear fuel cycle are needed to assure the availability of the required nuclear energy portion of U.S. energy supplies. The vertical integration approach to assuring uranium fuel supplies is achieved through control or ownership of fuel cycle stages. Global system analysis is facilitated by identifying crucial control points in the fuel cycle. A GASP IV simulation model of the production and inventories of the sequentially prod ...

12 University Consortium for Industrial Numerical Analysis (UCINA)



 S. McKee
December 1981 **ACM SIGNUM Newsletter**, Volume 16 Issue 4


Publisher: ACM Press

Full text available:  [pdf\(420.07 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

The University Consortium for Industrial Numerical Analysis (UCINA) was formed on the 1st October 1979 with Dr. Sean McKee as the Project Coordinator. UCINA represents a collaborative effort by numerical analysts and interested applied mathematicians of the Universities of Bath, Brunel, Oxford, Reading and Imperial College, with strong support from the Division of Numerical Analysis and Computing Sciences at the National Physical Laboratory, to help with the solution of practical problems in ind ...

13 Effective application of computer graphics



 George W. Tressel
April 1975 **ACM SIGGRAPH Computer Graphics , Proceedings of the 2nd annual conference on Computer graphics and interactive techniques SIGGRAPH '75**, Volume 9 Issue 1

Publisher: ACM Press


Full text available:  [pdf\(8.71 MB\)](#) Additional Information: [full citation](#), [references](#)

14 A case study in the use of defect classification in inspections ☐

Diane Kelly, Terry Shepard

November 2001 **Proceedings of the 2001 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available:  [pdf\(165.02 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In many software organizations, defects are classified very simply, using categories such as Minor, Major, Severe, Critical. Simple classifications of this kind are typically used to assign priorities in repairing defects. Deeper understanding of the effectiveness of software development methodologies and techniques requires more detailed classification of defects. A variety of classifications has been proposed. Although most detailed schemes have been developed for the purpose of analyzing soft ...

Keywords: orthogonal defect classification, software engineering, software maintenance, software metrics, software testing, software validation

15 NUFACTS: A tool for the analysis of nuclear development policies ☐

Mark B. Triplett, Theodore L. Willke, John D. Waddell

January 1977 **Proceedings of the 9th conference on Winter simulation - Volume 2**

Publisher: Winter Simulation Conference

Full text available:  [pdf\(582.16 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

NUFACTS, the Nuclear Fuel Cycle Activity Simulator, is a combined continuous/discrete simulation of the nuclear power economy. This model has been useful in the evaluation of nuclear development policies as it projects the economic and resource impacts attributable to a given policy. A recent application of NUFACS has involved the economic evaluation of plutonium recycle options in light-water reactors. Based upon the GASP IV simulation language, NUFACS provides a highly flexib ...

16 Model reliability and software quality assurance in simulation of nuclear fuel waste management systems ☐



Tuncer I. Ören, Maurice S. Elzas, Grant Sheng

October 1985 **ACM SIGSIM Simulation Digest**, Volume 16 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(1.16 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

As is the case with all scientific simulation studies, computerized simulation of nuclear fuel waste management systems can introduce and hide various types of errors. Frameworks to clarify issues of model reliability and software quality assurance are offered. Potential problems with reference to the main areas of concern for reliability and quality are discussed; e.g. experimental issues, decomposition, scope, fidelity, verification, requirements, testing, correctness, robustness are treated w ...

17 Real world applications: Heuristic rules embedded genetic algorithm to solve in-core fuel management optimization problem ☐



Fatih Alim, Kostadin Ivanov

June 2005 **Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05**

Publisher: ACM Press

Full text available:  [pdf\(208.13 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Because of the large number of possible combinations for the fuel assembly loading in the core, the design of the loading pattern (LP) is a complex optimization problem. It requires finding an optimal fuel arrangement in order to achieve maximum cycle length while satisfying the safety constraints. The objective of this study is to develop a loading pattern optimization code. Generally in-core fuel management codes are written for specific cores and limited fuel inventory. One of the goals of th ...

Keywords: genetic algorithms, heuristic rules, in-core fuel management, loading pattern, pressurized water reactor (PWR)

18 A systematic approach to the development and validation of critical software for nuclear power plants ☐

C. V. Ramamoorthy, F. B. Bastani, J. M. Favaro, Y. R. Mok, C. W. Nam, K. Suzuki
September 1979 **Proceedings of the 4th international conference on Software engineering**

Publisher: IEEE Press

Full text available:  [pdf\(911.14 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The power industry is becoming increasingly interested in the use of digital computers within nuclear plant protection systems in order to satisfy increased safety requirements, provide greater operating flexibility, minimize spurious forced outages, and (in conjunction with multiplexing) to meet separation requirements. However, the development and licensing of digital safety systems has been hindered to date by the difficulty of validating the software. A methodology is propose ...

19 Genetic algorithms: Application of genetic algorithm to optimize burnable poison placement in pressurized water reactors ☐



Serkan Yilmaz, Kostadin Ivanov, Samuel Levine

June 2005 **Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05**

Publisher: ACM Press

Full text available:  [pdf\(1.47 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

An efficient and a practical genetic algorithm tool was developed and applied successfully to Burnable Poisons (BPs) placement optimization problem in the reference Three Mile Island-1 (TMI-1) core. Core BP optimization problem means developing a BP loading map for a given core loading configuration that minimizes the total Gadolinium (Gd) amount in the core without violating any design constraints. The number of UO₂/Gd₂O₃ pins and Gd₂O₃ con ...

Keywords: burnable poison, decision variables, gadolinium, genetic algorithm, nuclear, optimization, reactor

20 A network modeling and analysis technique for the evaluation of nuclear safeguards systems effectiveness ☐

Floyd H. Grant, Robin J. Miner, Dennis Engi

December 1978 **Proceedings of the 10th conference on Winter simulation - Volume 2**

Publisher: IEEE Computer Society Press

Full text available:  [pdf\(618.34 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Nuclear safeguards systems are concerned with the physical protection and control of nuclear materials. The Safeguards Network Analysis Procedure (SNAP) provides a convenient and standard analysis methodology for the evaluation of safeguards system effectiveness. This is achieved through a standard set of symbols which characterize the

various elements of safeguards systems and an analysis program to execute simulation models built using the SNAP symbology. The reports provided by the SNAP ...

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Annals of Nuclear Energy, Volume 28, Issue 13, September 2001, Pages 1343-1363
 U. Rohde
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 Armando Carlos Marino, Edmundo Pérez and Pablo Adelfang
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<input type="checkbox"/>	L6	L3 and (cladding with fail\$) and pellet?	6
<input type="checkbox"/>	L5	L4 and (cladding with fail\$)	6
<input type="checkbox"/>	L4	L3 and (cladding same pellet?)	12
<input type="checkbox"/>	L3	L2 and (nuclear reactor same simulat\$)	45
<input type="checkbox"/>	L2	nuclear reactor and cladding and simulat\$	190
<input type="checkbox"/>	L1	mahe.in. and nuclear reactor and cladding	3

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20060129362 A1

L1: Entry 1 of 3

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060129362

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060129362 A1

TITLE: Method for determining threshold value of a nuclear reactor operating parameter, corresponding system, computer programme and support

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Mahe</u> ; Patrice	PIOLENC		FR
Royere; Christian	Issy Les Moulineaux		FR

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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☐ 2. Document ID: US 20030012326 A1

L1: Entry 2 of 3

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030012326

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030012326 A1

TITLE: Method of inspecting an operation of sealed closure by welding the end of a filling channel traversing the upper plug of a nuclear fuel rod

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Mahe</u> , Philippe	Montmiral		FR

US-CL-CURRENT: 376/248

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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☐ 3. Document ID: US 6668034 B2

L1: Entry 3 of 3

File: USPT

Dec 23, 2003

US-PAT-NO: 6668034

DOCUMENT-IDENTIFIER: US 6668034 B2

TITLE: Method of inspecting an operation of sealed closure by welding the end of a filling channel traversing the upper plug of a nuclear fuel rod

DATE-ISSUED: December 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mahe; Philippe	Montmiral			FR

US-CL-CURRENT: 376/248; 219/121.64, 219/121.85, 376/258, 376/261, 376/451, 382/141, 382/152, 700/109

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
MAHE	262
MAHES	5
NUCLEAR	156342
NUCLEARS	23
REACTOR	199583
REACTORS	61790
CLADDING	42282
CLADDINGS	3041
(((MAHE.IN.) AND CLADDING) AND (NUCLEAR ADJ REACTOR)).PGPB,USPT.	3
(MAHE.IN. AND NUCLEAR REACTOR AND CLADDING).PGPB,USPT.	3

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Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20060129362 A1

L5: Entry 1 of 6

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060129362

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060129362 A1

TITLE: Method for determining threshold value of a nuclear reactor operating parameter, corresponding system, computer programme and support

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mahe; Patrice	PIOLENC		FR
Royere; Christian	Issy Les Moulineaux		FR

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw. De
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☐ 2. Document ID: US 5073336 A

L5: Entry 2 of 6

File: USPT

Dec 17, 1991

US-PAT-NO: 5073336

DOCUMENT-IDENTIFIER: US 5073336 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: December 17, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/457; 376/414, 376/416, 376/417

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw. De
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☐ 3. Document ID: US 5026516 A

L5: Entry 3 of 6

File: USPT

Jun 25, 1991

US-PAT-NO: 5026516

DOCUMENT-IDENTIFIER: US 5026516 A

TITLE: Corrosion resistant cladding for nuclear fuel rods

DATE-ISSUED: June 25, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457, 420/422, 976/DIG.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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☐ 4. Document ID: US 5024809 A

L5: Entry 4 of 6

File: USPT

Jun 18, 1991

US-PAT-NO: 5024809

DOCUMENT-IDENTIFIER: US 5024809 A

TITLE: Corrosion resistant composite claddings for nuclear fuel rods

DATE-ISSUED: June 18, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/362, 376/434, 376/457, 420/422, 976/DIG.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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☐ 5. Document ID: US 4986957 A

L5: Entry 5 of 6

File: USPT

Jan 22, 1991

US-PAT-NO: 4986957

DOCUMENT-IDENTIFIER: US 4986957 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: January 22, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Hit List

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Bkwd Refs

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Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20060129362 A1

L6: Entry 1 of 6

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060129362

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060129362 A1

TITLE: Method for determining threshold value of a nuclear reactor operating parameter, corresponding system, computer programme and support

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mahe; Patrice	PIOLENC		FR
Royere; Christian	Issy Les Moulineaux		FR

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw. De
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☐ 2. Document ID: US 5073336 A

L6: Entry 2 of 6

File: USPT

Dec 17, 1991

US-PAT-NO: 5073336

DOCUMENT-IDENTIFIER: US 5073336 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: December 17, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/457; 376/414, 376/416, 376/417

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw. De
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☐ 3. Document ID: US 5026516 A

L6: Entry 3 of 6

File: USPT

Jun 25, 1991

US-PAT-NO: 5026516

DOCUMENT-IDENTIFIER: US 5026516 A

TITLE: Corrosion resistant cladding for nuclear fuel rods

DATE-ISSUED: June 25, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457, 420/422, 976/DIG.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 4. Document ID: US 5024809 A

L6: Entry 4 of 6

File: USPT

Jun 18, 1991

US-PAT-NO: 5024809

DOCUMENT-IDENTIFIER: US 5024809 A

TITLE: Corrosion resistant composite claddings for nuclear fuel rods

DATE-ISSUED: June 18, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/362, 376/434, 376/457, 420/422, 976/DIG.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 5. Document ID: US 4986957 A

L6: Entry 5 of 6

File: USPT

Jan 22, 1991

US-PAT-NO: 4986957

DOCUMENT-IDENTIFIER: US 4986957 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: January 22, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Taylor; Dale F. Schenectady NY

US-CL-CURRENT: [376/417](#); [376/416](#), [376/421](#), [376/457](#), [420/422](#), [420/423](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 6. Document ID: US 4643866 A

L6: Entry 6 of 6

File: USPT

Feb 17, 1987

US-PAT-NO: 4643866

DOCUMENT-IDENTIFIER: US 4643866 A

TITLE: Nuclear fuel pellet-cladding interaction test device and method modeling in-core reactor thermal conditions

DATE-ISSUED: February 17, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thornton; Thomas A.	Lynchburg	VA		
Pettus; William G.	Monroe	VA		

US-CL-CURRENT: [376/245](#); [376/251](#), [376/253](#), [976/DIG.208](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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Term	Documents
CLADDING	42282
CLADDINGS	3041
FAIL\$	0
FAIL	247847
FAILA	16
FAILABLE	4
FAILACE	2
FAILACIES	1
FAILACT	1
FAILACTION	3
FAILAMENT	1
(L3 AND (CLADDING WITH FAIL\$) AND PELLET?).PGPB,USPT.	6

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☐ 1. Document ID: US 20060129362 A1

L7: Entry 1 of 7

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060129362

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060129362 A1

TITLE: Method for determining threshold value of a nuclear reactor operating parameter, corresponding system, computer programme and support

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mahe; Patrice	PIOLENC		FR
Royere; Christian	Issy Les Moulineaux		FR

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 2. Document ID: US 5073336 A

L7: Entry 2 of 7

File: USPT

Dec 17, 1991

US-PAT-NO: 5073336

DOCUMENT-IDENTIFIER: US 5073336 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: December 17, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/457; 376/414, 376/416, 376/417

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 3. Document ID: US 5026516 A

L7: Entry 3 of 7

File: USPT

Jun 25, 1991

US-PAT-NO: 5026516

DOCUMENT-IDENTIFIER: US 5026516 A

TITLE: Corrosion resistant cladding for nuclear fuel rods

DATE-ISSUED: June 25, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457, 420/422, 976/DIG.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 4. Document ID: US 5024809 A

L7: Entry 4 of 7

File: USPT

Jun 18, 1991

US-PAT-NO: 5024809

DOCUMENT-IDENTIFIER: US 5024809 A

TITLE: Corrosion resistant composite claddings for nuclear fuel rods

DATE-ISSUED: June 18, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/362, 376/434, 376/457, 420/422, 976/DIG.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 5. Document ID: US 4990305 A

L7: Entry 5 of 7

File: USPT

Feb 5, 1991

US-PAT-NO: 4990305

DOCUMENT-IDENTIFIER: US 4990305 A

TITLE: Single peak radial texture zircaloy tubing

DATE-ISSUED: February 5, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Foster; John P. Monroeville PA
Cook; Charles S. Murrys ville PA
Sabol; George P. Export PA

US-CL-CURRENT: 376/457; 72/370.22, 72/700

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 6. Document ID: US 4986957 A

L7: Entry 6 of 7

File: USPT

Jan 22, 1991

US-PAT-NO: 4986957

DOCUMENT-IDENTIFIER: US 4986957 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: January 22, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/416, 376/421, 376/457, 420/422, 420/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 7. Document ID: US 4643866 A

L7: Entry 7 of 7

File: USPT

Feb 17, 1987

US-PAT-NO: 4643866

DOCUMENT-IDENTIFIER: US 4643866 A

TITLE: Nuclear fuel pellet-cladding interaction test device and method modeling in-core reactor thermal conditions

DATE-ISSUED: February 17, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thornton; Thomas A.	Lynchburg	VA		
Pettus; William G.	Monroe	VA		

US-CL-CURRENT: 376/245; 376/251, 376/253, 976/DIG.208

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 1. Document ID: US 20060129362 A1

L10: Entry 1 of 16

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060129362

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060129362 A1

TITLE: Method for determining threshold value of a nuclear reactor operating parameter, corresponding system, computer programme and support

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mahe; Patrice	PIOLENC		FR
Royere; Christian	Issy Les Moulineaux		FR

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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☐ 2. Document ID: US 20060039524 A1

L10: Entry 2 of 16

File: PGPB

Feb 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060039524

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060039524 A1

TITLE: Multi-layered ceramic tube for fuel containment barrier and other applications in nuclear and fossil power plants

PUBLICATION-DATE: February 23, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Feinroth; Herbert	Silver Spring	MD	US
Hao; Bernard R.	Fairfax Station	VA	US

US-CL-CURRENT: 376/409

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 3. Document ID: US 6535568 B1

L10: Entry 3 of 16

File: USPT

Mar 18, 2003

US-PAT-NO: 6535568

DOCUMENT-IDENTIFIER: US 6535568 B1

TITLE: Method and system for generating thermal-mechanical limits for the operation of nuclear fuel rods

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reese; Anthony P.	Wilmington	NC		

US-CL-CURRENT: 376/245; 376/255

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 4. Document ID: US 5699396 A

L10: Entry 4 of 16

File: USPT

Dec 16, 1997

US-PAT-NO: 5699396

DOCUMENT-IDENTIFIER: US 5699396 A

TITLE: Corrosion resistant zirconium alloy for extended-life fuel cladding

DATE-ISSUED: December 16, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale Frederick	Schenectady	NY		

US-CL-CURRENT: 376/416; 148/672, 376/414, 376/417, 376/457, 420/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 5. Document ID: US 5578145 A

L10: Entry 5 of 16

File: USPT

Nov 26, 1996

US-PAT-NO: 5578145

DOCUMENT-IDENTIFIER: US 5578145 A

TITLE: Process for improving corrosion resistance of zirconium or zirconium alloy barrier cladding

DATE-ISSUED: November 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adamson; Ronald B.	Fremont	CA		
Lutz; Daniel R.	San Jose	CA		

US-CL-CURRENT: 148/421; 376/416, 428/610, 428/660

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 6. Document ID: US 5434897 A

L10: Entry 6 of 16

File: USPT

Jul 18, 1995

US-PAT-NO: 5434897

DOCUMENT-IDENTIFIER: US 5434897 A

TITLE: Hydride damage resistant fuel elements

DATE-ISSUED: July 18, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Davies; John H.	San Jose	CA		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 7. Document ID: US 5417780 A

L10: Entry 7 of 16

File: USPT

May 23, 1995

US-PAT-NO: 5417780

DOCUMENT-IDENTIFIER: US 5417780 A

TITLE: Process for improving corrosion resistance of zirconium or zirconium alloy barrier cladding

DATE-ISSUED: May 23, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adamson; Ronald B.	Fremont	CA		
Lutz; Daniel R.	San Jose	CA		

US-CL-CURRENT: 148/520; 148/421, 148/672, 420/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 8. Document ID: US 5073336 A

L10: Entry 8 of 16

File: USPT

Dec 17, 1991

US-PAT-NO: 5073336

DOCUMENT-IDENTIFIER: US 5073336 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: December 17, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/457; 376/414, 376/416, 376/417

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawn De
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☐ 9. Document ID: US 5026516 A

L10: Entry 9 of 16

File: USPT

Jun 25, 1991

US-PAT-NO: 5026516

DOCUMENT-IDENTIFIER: US 5026516 A

TITLE: Corrosion resistant cladding for nuclear fuel rods

DATE-ISSUED: June 25, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457, 420/422, 976/DIG.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawn De
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☐ 10. Document ID: US 5024809 A

L10: Entry 10 of 16

File: USPT

Jun 18, 1991

US-PAT-NO: 5024809

DOCUMENT-IDENTIFIER: US 5024809 A

TITLE: Corrosion resistant composite claddings for nuclear fuel rods

DATE-ISSUED: June 18, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/362, 376/434, 376/457, 420/422, 976/DIG.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw De
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☐ 11. Document ID: US 4986957 A

L10: Entry 11 of 16

File: USPT

Jan 22, 1991

US-PAT-NO: 4986957

DOCUMENT-IDENTIFIER: US 4986957 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: January 22, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/416, 376/421, 376/457, 420/422, 420/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw De
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☐ 12. Document ID: US 4652425 A

L10: Entry 12 of 16

File: USPT

Mar 24, 1987

US-PAT-NO: 4652425

DOCUMENT-IDENTIFIER: US 4652425 A

TITLE: Bottom grid mounted debris trap for a fuel assembly

DATE-ISSUED: March 24, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ferrari; Harry M.	Edgewood Boro	PA		
Wilson; John F.	Murrysville	PA		

US-CL-CURRENT: 376/352; 376/313, 376/443, 376/446, 976/DIG.216, 976/DIG.60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw De
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☐ 13. Document ID: US 4643866 A

L10: Entry 13 of 16

File: USPT

Feb 17, 1987

US-PAT-NO: 4643866

DOCUMENT-IDENTIFIER: US 4643866 A

TITLE: Nuclear fuel pellet-cladding interaction test device and method modeling in-core reactor thermal conditions

DATE-ISSUED: February 17, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thornton; Thomas A.	Lynchburg	VA		
Pettus; William G.	Monroe	VA		

US-CL-CURRENT: 376/245; 376/251, 376/253, 976/DIG.208

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 14. Document ID: US 4279700 A

L10: Entry 14 of 16

File: USPT

Jul 21, 1981

US-PAT-NO: 4279700

DOCUMENT-IDENTIFIER: US 4279700 A

TITLE: Tritium removal and retention device

DATE-ISSUED: July 21, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boyle; Raymond F.	Pittsburgh	PA		
Durigon; Docile D.	North Huntingdon	PA		

US-CL-CURRENT: 376/418; 976/DIG.51

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 15. Document ID: US 4126514 A

L10: Entry 15 of 16

File: USPT

Nov 21, 1978

US-PAT-NO: 4126514

DOCUMENT-IDENTIFIER: US 4126514 A

TITLE: Method for detecting and locating defective nuclear reactor fuel elements

DATE-ISSUED: November 21, 1978

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wonn; James W.	Irwin	PA		

US-CL-CURRENT: 376/252; 73/590, 73/592, 976/DIG.232

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 16. Document ID: US 3901090 A

L10: Entry 16 of 16

File: USPT

Aug 26, 1975

US-PAT-NO: 3901090

DOCUMENT-IDENTIFIER: US 3901090 A

TITLE: Method and apparatus for detecting malassembled nuclear fuel rods

DATE-ISSUED: August 26, 1975

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Akey; John G.	Pittsburgh	PA	15146	
Wachter; William J.	Pittsburgh	PA	15227	

US-CL-CURRENT: 73/572; 376/245, 73/590, 73/592, 976/DIG.231

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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PELLETS	113377
PELETT	242
PELETX	2
PELETY	5
PELETZ	9
PELLET3	2
PELLET]	4
(L9 AND PELLET?).PGPB,USPT.	16

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☐ 1. Document ID: US 20060129362 A1

L11: Entry 1 of 35

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060129362

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060129362 A1

TITLE: Method for determining threshold value of a nuclear reactor operating parameter, corresponding system, computer programme and support

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mahe; Patrice	PIOLENC		FR
Royere; Christian	Issy Les Moulineaux		FR

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 20060039524 A1

L11: Entry 2 of 35

File: PGPB

Feb 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060039524

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060039524 A1

TITLE: Multi-layered ceramic tube for fuel containment barrier and other applications in nuclear and fossil power plants

PUBLICATION-DATE: February 23, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Feinroth; Herbert	Silver Spring	MD	US
Hao; Bernard R.	Fairfax Station	VA	US

US-CL-CURRENT: 376/409

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 3. Document ID: US 20050107870 A1

L11: Entry 3 of 35

File: PGPB

May 19, 2005

PGPUB-DOCUMENT-NUMBER: 20050107870

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050107870 A1

TITLE: Medical device with multiple coating layers

PUBLICATION-DATE: May 19, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Xingwu	Wellsville	NY	US
Greenwald, Howard J.	Rochester	NY	US

US-CL-CURRENT: 623/1.44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 4. Document ID: US 20050079132 A1

L11: Entry 4 of 35

File: PGPB

Apr 14, 2005

PGPUB-DOCUMENT-NUMBER: 20050079132

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050079132 A1

TITLE: Medical device with low magnetic susceptibility

PUBLICATION-DATE: April 14, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Xingwu	Wellsville	NY	US
Greenwald, Howard J.	Rochester	NY	US
Gunderman, Robert D.	Honeyoye Falls	NY	US

US-CL-CURRENT: 424/1.11; 424/422, 424/423, 600/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 5. Document ID: US 20050025797 A1

L11: Entry 5 of 35

File: PGPB

Feb 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050025797
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050025797 A1

TITLE: Medical device with low magnetic susceptibility

PUBLICATION-DATE: February 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Xingwu	Wellsville	NY	US
Greenwald, Howard Jay	Rochester	NY	US

US-CL-CURRENT: 424/422; 424/423, 424/489

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 6. Document ID: US 20040254419 A1

L11: Entry 6 of 35

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040254419
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040254419 A1

TITLE: Therapeutic assembly

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Xingwu	Wellsville	NY	US
Greenwald, Howard J.	Rochester	NY	US
Lanzafame, John	Victor	NY	US
Weiner, Michael L.	Webster	NY	US
Connelly, Patrick R.	Rochester	NY	US

US-CL-CURRENT: 600/8; 424/1.11, 424/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 7. Document ID: US 20040196954 A1

L11: Entry 7 of 35

File: PGPB

Oct 7, 2004

PGPUB-DOCUMENT-NUMBER: 20040196954
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040196954 A1

TITLE: METHOD FOR PREVENTING FRETTING DAMAGE TO FUEL RODS, NUCLEAR REACTOR FUEL

ELEMENT, DEVICE FOR PREVENTING FRETTING DAMAGE, AND SPACER IN A FUEL ASSEMBLY OF A
NUCLEAR REACTOR

PUBLICATION-DATE: October 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Stabel-Weinheimer, Jurgen	Erlangen		DE
Ren, Mingmin	Erlangen		DE

US-CL-CURRENT: 376/438

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 8. Document ID: US 6891912 B1

L11: Entry 8 of 35

File: USPT

May 10, 2005

US-PAT-NO: 6891912

DOCUMENT-IDENTIFIER: US 6891912 B1

TITLE: Fuel assemblies in a reactor core and method of designing and arranging same

DATE-ISSUED: May 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lukic; Yovan D.	Paradise Valley	AZ		
Schmidt; Jeffrey S.	Glendale	AZ		

US-CL-CURRENT: 376/267; 376/241, 376/305, 376/306, 376/419, 376/435

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 9. Document ID: US 6888911 B2

L11: Entry 9 of 35

File: USPT

May 3, 2005

US-PAT-NO: 6888911

DOCUMENT-IDENTIFIER: US 6888911 B2

TITLE: Method for preventing fretting damage to fuel rods, nuclear reactor fuel
element, device for preventing fretting damage, and spacer in a fuel assembly of a
nuclear reactor

DATE-ISSUED: May 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stabel-Weinheimer; Jurgen	Erlangen			DE

Ren; Mingmin

Erlangen

DE

US-CL-CURRENT: [376/438](#); [376/439](#), [376/443](#), [376/444](#), [376/462](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw De
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☐ 10. Document ID: US 6535568 B1

L11: Entry 10 of 35

File: USPT

Mar 18, 2003

US-PAT-NO: 6535568

DOCUMENT-IDENTIFIER: US 6535568 B1

TITLE: Method and system for generating thermal-mechanical limits for the operation of nuclear fuel rods

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reese; Anthony P.	Wilmington	NC		

US-CL-CURRENT: [376/245](#); [376/255](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw De
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☐ 11. Document ID: US 5774514 A

L11: Entry 11 of 35

File: USPT

Jun 30, 1998

US-PAT-NO: 5774514

DOCUMENT-IDENTIFIER: US 5774514 A

TITLE: Energy amplifier for nuclear energy production driven by a particle beam accelerator

DATE-ISSUED: June 30, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rubbia; Carlo	Geneve			CH

US-CL-CURRENT: [376/193](#); [376/171](#), [376/181](#), [376/194](#), [376/355](#), [376/381](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw De
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☐ 12. Document ID: US 5699396 A

L11: Entry 12 of 35

File: USPT

Dec 16, 1997

US-PAT-NO: 5699396
DOCUMENT-IDENTIFIER: US 5699396 A

TITLE: Corrosion resistant zirconium alloy for extended-life fuel cladding

DATE-ISSUED: December 16, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale Frederick	Schenectady	NY		

US-CL-CURRENT: 376/416; 148/672, 376/414, 376/417, 376/457, 420/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw De
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☐ 13. Document ID: US 5610959 A

L11: Entry 13 of 35

File: USPT

Mar 11, 1997

US-PAT-NO: 5610959
DOCUMENT-IDENTIFIER: US 5610959 A

TITLE: Hafnium doped replacement rod for nuclear fuel reconstitution

DATE-ISSUED: March 11, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fecteau; Mark W.	Export	PA		
Miller; James W.	Murrysville	PA		

US-CL-CURRENT: 376/419; 376/327, 376/333, 376/339, 376/434, 376/435

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw De
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☐ 14. Document ID: US 5578145 A

L11: Entry 14 of 35

File: USPT

Nov 26, 1996

US-PAT-NO: 5578145
DOCUMENT-IDENTIFIER: US 5578145 A

TITLE: Process for improving corrosion resistance of zirconium or zirconium alloy barrier cladding

DATE-ISSUED: November 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adamson; Ronald B.	Fremont	CA		

Lutz; Daniel R. San Jose CA

US-CL-CURRENT: 148/421; 376/416, 428/610, 428/660

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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☐ 15. Document ID: US 5539791 A

L11: Entry 15 of 35

File: USPT

Jul 23, 1996

US-PAT-NO: 5539791

DOCUMENT-IDENTIFIER: US 5539791 A

**** See image for Certificate of Correction ****

TITLE: Material and structural part made from modified zircaloy

DATE-ISSUED: July 23, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Garzarolli; Friedrich	Hochstadt/Aisch			DE
Steinberg; Eckard	Erlangen			DE

US-CL-CURRENT: 376/417; 376/414, 376/415, 376/416, 376/457

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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☐ 16. Document ID: US 5434897 A

L11: Entry 16 of 35

File: USPT

Jul 18, 1995

US-PAT-NO: 5434897

DOCUMENT-IDENTIFIER: US 5434897 A

TITLE: Hydride damage resistant fuel elements

DATE-ISSUED: July 18, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Davies; John H.	San Jose	CA		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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☐ 17. Document ID: US 5417780 A

L11: Entry 17 of 35

File: USPT

May 23, 1995

US-PAT-NO: 5417780
DOCUMENT-IDENTIFIER: US 5417780 A

TITLE: Process for improving corrosion resistance of zirconium or zirconium alloy
barrier cladding

DATE-ISSUED: May 23, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adamson; Ronald B.	Fremont	CA		
Lutz; Daniel R.	San Jose	CA		

US-CL-CURRENT: 148/520; 148/421, 148/672, 420/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 18. Document ID: US 5331676 A

L11: Entry 18 of 35

File: USPT

Jul 19, 1994

US-PAT-NO: 5331676
DOCUMENT-IDENTIFIER: US 5331676 A

TITLE: Calibration fixture for induction furnace

DATE-ISSUED: July 19, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lambert; David V.	St. Matthews	SC		
Goldenfield; Mark P.	Irwin	PA		

US-CL-CURRENT: 376/260; 373/145, 373/149, 376/416

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 19. Document ID: US 5171517 A

L11: Entry 19 of 35

File: USPT

Dec 15, 1992

US-PAT-NO: 5171517
DOCUMENT-IDENTIFIER: US 5171517 A

TITLE: Method for monitoring corrosion on a member in a nuclear reactor core

DATE-ISSUED: December 15, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Solomon; Harvey D. Schenectady NY
 Gordon; Gerald M. Soquel CA

US-CL-CURRENT: 376/245; 204/404, 205/776.5, 324/700, 376/249, 376/305, 422/53,
436/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 20. Document ID: US 5122330 A

L11: Entry 20 of 35

File: USPT

Jun 16, 1992

US-PAT-NO: 5122330

DOCUMENT-IDENTIFIER: US 5122330 A

TITLE: Sensor for monitoring corrosion on a member in a nuclear reactor core

DATE-ISSUED: June 16, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Solomon; Harvey D.	Schenectady	NY		
Gordon; Gerald M.	Soquel	CA		

US-CL-CURRENT: 376/245; 324/700, 376/305

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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Term	Documents
NUCLEAR	156342
NUCLEARS	23
REACTOR	199583
REACTORS	61790
CLADDING	42282
CLADDINGS	3041
FUEL	279013
FUELS	54917
ROD?	0
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RODB	28
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☐ 21. Document ID: US 5073336 A

L11: Entry 21 of 35

File: USPT

Dec 17, 1991

US-PAT-NO: 5073336

DOCUMENT-IDENTIFIER: US 5073336 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: December 17, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/457; 376/414, 376/416, 376/417

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn De
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☐ 22. Document ID: US 5026516 A

L11: Entry 22 of 35

File: USPT

Jun 25, 1991

US-PAT-NO: 5026516

DOCUMENT-IDENTIFIER: US 5026516 A

TITLE: Corrosion resistant cladding for nuclear fuel rods

DATE-ISSUED: June 25, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457, 420/422, 976/DIG.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn De
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☐ 23. Document ID: US 5024809 A

L11: Entry 23 of 35

File: USPT

Jun 18, 1991

US-PAT-NO: 5024809
DOCUMENT-IDENTIFIER: US 5024809 A

TITLE: Corrosion resistant composite claddings for nuclear fuel rods

DATE-ISSUED: June 18, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/362, 376/434, 376/457, 420/422, 976/DIG.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 24. Document ID: US 4986957 A

L11: Entry 24 of 35

File: USPT

Jan 22, 1991

US-PAT-NO: 4986957
DOCUMENT-IDENTIFIER: US 4986957 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: January 22, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/416, 376/421, 376/457, 420/422, 420/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 25. Document ID: US 4977529 A

L11: Entry 25 of 35

File: USPT

Dec 11, 1990

US-PAT-NO: 4977529
DOCUMENT-IDENTIFIER: US 4977529 A

TITLE: Training simulator for a nuclear power plant

DATE-ISSUED: December 11, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gregg; Gerald L.	Monroeville	PA		
Putman; Richard E.	Pittsburgh	PA		
Gomola; John W.	Pittsburgh	PA		

US-CL-CURRENT: 703/18; 376/245, 376/463, 703/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. Des
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☐ 26. Document ID: US 4879086 A

L11: Entry 26 of 35

File: USPT

Nov 7, 1989

US-PAT-NO: 4879086

DOCUMENT-IDENTIFIER: US 4879086 A

TITLE: Neutron economic reactivity control system for light water reactors

DATE-ISSUED: November 7, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Luce; Robert G.	Glenville	NY		
McCoy; Daniel F.	Latham	NY		
Merriman; Floyd C.	Rotterdam	NY		
Gregurech; Steve	Scotia	NY		

US-CL-CURRENT: 376/173; 376/212, 376/339, 976/DIG.100, 976/DIG.118, 976/DIG.13,
976/DIG.135

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. Des
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☐ 27. Document ID: US 4652425 A

L11: Entry 27 of 35

File: USPT

Mar 24, 1987

US-PAT-NO: 4652425

DOCUMENT-IDENTIFIER: US 4652425 A

TITLE: Bottom grid mounted debris trap for a fuel assembly

DATE-ISSUED: March 24, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ferrari; Harry M.	Edgewood Boro	PA		
Wilson; John F.	Murrysville	PA		

US-CL-CURRENT: 376/352; 376/313, 376/443, 376/446, 976/DIG.216, 976/DIG.60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. Des
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☐ 28. Document ID: US 4643866 A

L11: Entry 28 of 35

File: USPT

Feb 17, 1987

US-PAT-NO: 4643866

DOCUMENT-IDENTIFIER: US 4643866 A

TITLE: Nuclear fuel pellet-cladding interaction test device and method modeling in-core reactor thermal conditions

DATE-ISSUED: February 17, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thornton; Thomas A.	Lynchburg	VA		
Pettus; William G.	Monroe	VA		

US-CL-CURRENT: 376/245; 376/251, 376/253, 976/DIG.208

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 29. Document ID: US 4637910 A

L11: Entry 29 of 35

File: USPT

Jan 20, 1987

US-PAT-NO: 4637910

DOCUMENT-IDENTIFIER: US 4637910 A

TITLE: Method and apparatus for continuous on-line synthesis of power distribution in a nuclear reactor core

DATE-ISSUED: January 20, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Impink, Jr.; Albert J.	Murrysville	PA		

US-CL-CURRENT: 376/216; 376/215, 376/217, 976/DIG.207

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 30. Document ID: US 4541055 A

L11: Entry 30 of 35

File: USPT

Sep 10, 1985

US-PAT-NO: 4541055

DOCUMENT-IDENTIFIER: US 4541055 A

TITLE: Laser machining system

DATE-ISSUED: September 10, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wolfe; Donald L.	Allison Park	PA		
Clements; Jack W.	Trafford	PA		
Kerrey; John S.	Columbia	SC		

US-CL-CURRENT: 700/166; 219/121.82, 376/261, 700/90

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 31. Document ID: US 4279700 A

L11: Entry 31 of 35

File: USPT

Jul 21, 1981

US-PAT-NO: 4279700

DOCUMENT-IDENTIFIER: US 4279700 A

TITLE: Tritium removal and retention device

DATE-ISSUED: July 21, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boyle; Raymond F.	Pittsburgh	PA		
Durigon; Docile D.	North Huntingdon	PA		

US-CL-CURRENT: 376/418; 976/DIG.51

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 32. Document ID: US 4252613 A

L11: Entry 32 of 35

File: USPT

Feb 24, 1981

US-PAT-NO: 4252613

DOCUMENT-IDENTIFIER: US 4252613 A

**** See image for Certificate of Correction ****

TITLE: Nuclear fuel assembly guide tube with integral intermittent projections

DATE-ISSUED: February 24, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jabsen; Felix S.	Lynchburg	VA		

US-CL-CURRENT: 376/439; 976/DIG.60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 33. Document ID: US 4126514 A

L11: Entry 33 of 35

File: USPT

Nov 21, 1978

US-PAT-NO: 4126514

DOCUMENT-IDENTIFIER: US 4126514 A

TITLE: Method for detecting and locating defective nuclear reactor fuel elements

DATE-ISSUED: November 21, 1978

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wonn; James W.	Irwin	PA		

US-CL-CURRENT: 376/252; 73/590, 73/592, 976/DIG.232

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 34. Document ID: US 4040876 A

L11: Entry 34 of 35

File: USPT

Aug 9, 1977

US-PAT-NO: 4040876

DOCUMENT-IDENTIFIER: US 4040876 A

TITLE: High temperature alloys and members thereof

DATE-ISSUED: August 9, 1977

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bleiberg; Melvin L.	Pittsburgh	PA		
Diamond; Sidney	Monroeville	PA		
Rowcliffe; Arthur F.	Greensburg	PA		
Spitznagel; John A.	Export	PA		

US-CL-CURRENT: 148/327; 148/442, 376/900, 976/DIG.44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 35. Document ID: US 3901090 A

L11: Entry 35 of 35

File: USPT

Aug 26, 1975

US-PAT-NO: 3901090

DOCUMENT-IDENTIFIER: US 3901090 A

TITLE: Method and apparatus for detecting malassembled nuclear fuel rods

DATE-ISSUED: August 26, 1975

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Akey; John G.	Pittsburgh	PA	15146	
Wachter; William J.	Pittsburgh	PA	15227	

US-CL-CURRENT: 73/572; 376/245, 73/590, 73/592, 976/DIG.231

Full	Title	Citation	Front	Review
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